

Program Overview
Thursday June 22, 2017 - Friday June 23, 2017

Time	Thursday June 22	Time	Friday June 23
08:00-9:00	Registration	09:00-10:10	Oral Presentation
			Poster Presentation
9:00-10:00	Opening Ceremony	10:10-10:25	Coffee Break
10:00-11:00	<p style="text-align: center;">Keynote I: Dr. Arun S. Wagh Director of Research and Development, Ceramicoat International Ltd. Naperville, IL 60565, U.S.A.</p>	10:25-12:05	Oral Presentation
11:00-12:00	<p style="text-align: center;">Keynote II: Prof. Paresh Narayan Centre for Financial Econometrics, Faculty of Business and Law, Deakin University, Australia</p>		Poster Presentation
12:00-13:00	Lunch Break	12:05-13:00	Lunch Break
13:00-14:25	Oral Presentation	13:00-15:30	Oral Presentation
	Poster Presentation		Poster Presentation
15:15-15:40	Coffee Break	15:30-15:45	Coffee Break
15:40-17:45	Oral Presentation	15:45- 16:30	Poster Presentation
	Poster Presentation		
18:00- 20:30	Welcome Reception	16:30-17:00	Awards, Closing Celebration and Welcome to 2018

Thursday June 22			
08:00-9:00	Registration		
9:00-10:00	Opening Ceremony		
Time/Place	INFINITY ROOM : 1st Floor		
10:00-11:00	<p align="center">INORGANIC PHOSPHATE CERAMICS A PATHWAY TO GREENER ALTERNATIVE MATERIALS</p> <p align="center">Dr. Arun S. Wagh Director of Research and Development Ceramiccoat International Ltd. Naperville, IL 60565, U.S.A. arunwaghphd@gmail.com</p>		
11:00-12:00	<p align="center">COOPERATE INNOVATION AND INVESTMENT</p> <p align="center">Prof. Paresh Narayan Centre for Financial Econometrics, Faculty of Business and Law, Deakin University, Australia</p>		
12:00-13:00	Lunch Break		
Time/Place	Room: Sigma	Omega	1st Floor
13:00-15.15	Invited Speaker	Session 4 Economic Modelling; Innovation/technology, financial markets, and economic growth Chair: Prof. Dr. Paresh Narayan	Poster Session

13.00-13.45	<p align="center">Invited Speaker I: GLASS MATERIALS FOR GEMSTONE RESEARCH Assoc. Prof. Dr. Jakrapong Kaewkhao Chair: Asst. Prof. Dr. Worawat Meevasana Co-Chair: Dr. Darren Albutt, Assoc. Prof. Dr. Theerachai Bongkarn</p>				Poster Session
13.45-14.30	<p align="center">Invited Speaker II: A STUDY ON IN-SITU FORMATION OF HFNX GATE STACK STRUCTURE WITH BILAYER GATE INSULATOR UTILIZING ECR PLASMA SPUTTERING Dr. Nithi Atthi Chair: Asst. Prof. Dr. Worawat Meevasana Co-Chair: Dr. Darren Albutt, Assoc. Prof. Dr. Theerachai Bongkarn</p>			<p align="center">O-IFM1 ASYMMETRIC EFFECTS OF ENERGY PRICES' SHOCK ON THAI ECONOMY Monthien Satimanon</p>	
14.30-15.15	<p align="center">Invited Speaker III: THE NEXT GENERATION OF GLUCOSE SENSOR FOR SUSTAINABLE DEVELOPMENT IN THAILAND Dr. Metini Janyasupab Chair: Assoc. Prof. Dr. Jakrapong Kaewkhao Co-Chair: Dr. Darren Albutt Assoc. Prof. Dr. Theerachai Bongkarn</p>			<p align="center">O-IFM2 OIL-PRICE, INFLATION PASS-THROUGH: ARE THERE SOME KNOWN, UNKNOWNNS? S. Ali Shah Syed</p>	
15.15-15.40	Coffee Break				
Time/Place	Sigma 1	Sigma 2	Kappa	Omega	1st Floor
15:40--17:45	<p>Session 1 Sustainability Science Chair: Assoc. Prof. Dr. Jakrapong Kaewkhao Co-Chair: Asst. Prof. Dr. Worawat Meevasana</p>	<p>Session 2 Sustainability Science Chair: Dr. Metini Janyasupab Co-Chair: Assoc. Prof. Dr. Theerachai Bongkarn</p>	<p>Session 3 Innovative Technology and Sustainability Engineering Chair: Dr. Nithi Atthi Co-Chair: Dr. Darren Albutt</p>		Poster Session
15:40-16:05	<p align="center">O-SS1 E. COLI/COLIFORM REDUCTION USING HYDROXYL RADICAL AEROSOLIZATION FROM ADVANCED OXIDATION PROCESSES FOR RAPID SURFACE DISINFECTION Wanthanaporn Boonchan</p>	<p align="center">O-SS4 DEVELOPMENT OF STANDARDIZED PRECIPITATION RVVAPOTRANSPIRATIO N INDEX PREDICTION MODEL FOR NAN RIVER BASIN Sukrit Kirtsraeng</p>	<p align="center">O-ITSE1 EVALUATED INVESTMENT PROJECTS USING ERP (ENTERPRISE RESOURCE PLANNING) A CASE STUDY OF INDUSTRIAL PLANTS BY REAL OPTION Kunyaluk Nuchprayoon</p>	<p align="center">O-IFM3 IS THERE ANY RELATIONSHIP BETWEEN ENERGY CONSUMPTION AND PRODUCTIVITY? A STUDY OF TOP TEN ENERGY CONSUMER COUNTRIES Badri Rath</p>	

<p>16:05-16:30</p>	<p>O-SS2</p> <p>OXIDATIVE IMPACTS OF TITANIUM DIOXIDE NANOPARTICLES ON THE RESPONSES OF PLANT CELL</p> <p>Wilailack Chayaprasert</p>	<p>O-SS5</p> <p>EFFECT OF SPACING AND NO. OF SEEDLING PER HILL ON GROWTH AND YIELD COMPONENTS OF RICE CV. CHAI NAT 1 UNDER SYSTEM OF RICE INTENSIFICATION</p> <p>Sattaya Tonwong</p>	<p>O-ITSE2</p> <p>DYNAMIC MULTI-PRODUCT MULTI-LEVEL CAPACITATED LOT SIZING USING HEURISTIC METHOD</p> <p>Songwut Prakaiwichien</p>	<p>O-IFM4</p> <p>SIMULTANEOUS DETERMINANTS OF FISCAL POLICY, MONETARY POLICY, INCOME INEQUALITY, TRADE AND ECONOMIC GROWTH: CASE OF EMERGING MARKET ECONOMY</p> <p>Dipyaman Pal</p>	<p>Poster Session</p>
<p>16:30-16:55</p>	<p>O-SS3</p> <p>FACTORS AFFECTING CONDOMINIUM RESIDENT'S PARTICIPATION IN WASTE MANAGEMENT IN BANGKOK AREA</p> <p>Nattapassorn Saksrisuwan</p>	<p>O-SS6</p> <p>DIVERSITY OF SPIDERS (ARACHNIDA: ARANEAE) IN THE RAINY SEASON OF A MIXED DECIDUOUS FOREST, MAE WONG NATIONAL PARK, KAMPHAENG PHET, NORTHERN THAILAND</p> <p>Sokuntheary Chorn</p>	<p>O-ITSE3</p> <p>PROPERTIES OF RICE GRAIN AFTER MILD HEAT TREATMENT BY RADIO FREQUENCY HEATING FOR KILLING INSECTS</p> <p>Pisith Sok</p>	<p>O-IFM5</p> <p>BUSINESS CYCLE PHASES AND THEIR TRANSITIONAL DYNAMICS: DOES THE ECONOMIC POLICY UNCERTAINTY MATTER?</p> <p>Chau Frankie</p>	
<p>16:55-17.20</p>	<p>Poster Session</p>			<p>O-IFM6</p> <p>US ECONOMIC UNCERTAINTY, EU BUSINESS CYCLES AND THE GLOBAL FINANCIAL CRISIS</p> <p>Taufiq Choudhry</p>	

<p>17.20-17.45</p>	<p>Poster Session</p>	<p>O-IFM7</p> <p>COMPLEXITY IN GOLD RETURNS: EVIDENCE FROM THE COMPASS ROSE BY JONATHAN A. BATTEN, BRIAN M. LUCEY AND MAURICE PEAT</p> <p>Prof. Jonathan Batten</p>	
<p>18:00-20:30</p>	<p>Welcome Reception</p>		

Friday June 23

Time/Place	Room: Sigma	Omega	1 st Floor
9:00-15:30	<p style="text-align: center;">Invited Speaker IV:</p> <p style="text-align: center;">PROBABILITY DISTRIBUTION OF UNEVEN-DICE ORIENTATIONS PREDICTED BY USING BOLTZMANN FORMALISM</p> <p style="text-align: center;">Asst. Prof .Dr. Worawat Meevasana</p> <p style="text-align: center;">Chair: Assoc. Prof. Dr. Jakrapong Kaewkhao</p> <p style="text-align: center;">Co-Chair: Dr. Darren Albutt</p> <p style="text-align: center;">Assoc. Prof. Dr. Theerachai Bongkarn</p>	<p>Session 4 Economic Modelling; Innovation/technology, financial markets, and economic growth Chair: Prof. Dr. Paresh Narayan</p>	Poster Session
9:00-9:25		<p style="text-align: center;">O-IFM8</p> <p style="text-align: center;">HIGH FREQUENCY TRADING AND PRICE DISCOVERY – EVIDENCE FROM EMPIRICAL STUDY AND AGENT BASED MODELING</p> <p style="text-align: center;">Ya Gao</p>	
9.25-9.45		<p style="text-align: center;">O-IFM9</p> <p style="text-align: center;">IMPACT OF CONTRACT SPECIFICATIONS ON LIQUIDITY: EVIDENCE FROM THE INDIAN OPTIONS MARKET</p> <p style="text-align: center;">Arjun Thukral</p>	

Time/Place	Sigma 1	Sigma 2	Kappa	Omega	1st Floor
9:00-14:00	Session 1 Sustainability Science Chair: Assoc. Prof. Dr. Jakrapong Kaewkhao Co-Chair: Asst. Prof .Dr. Worawat Meevasana	Session 2 Sustainability Science and Innovative Technology and Sustainability Engineering Chair: Dr. Metini Janyasupab Co-Chair: Assoc. Prof. Dr. Theerachai Bongkarn	Session 3 Innovative Technology and Sustainability Engineering Chair: Dr. Nithi Atthi Co-Chair: Dr. Darren Albutt	Session 4 Economic Modelling; Innovation/technology, financial markets, and economic growth Chair: Prof. Dr. Paresh Narayan	Poster Session
9:45-10.10	O-SS7 STUDY OF DRYING OF KAFFIR LIME LEAVES USING CONDUCTIVE HEAT TRANSFER Chayutt Mingqaanchayut	O-SS16 THE GAMMA RAY INTERACTION PROPERTIES OF CSI(TL) SCINTILLATOR Wasu Cheewasukhanont	O-ITSE8 FABRICATION OF A GAS LEAK DETECTOR SYSTEM FOR MOTOR VEHICLES Maitree Thawornsin	O-IFM10 TESTING COMMODITY FUTURES MARKET EFFICIENCY UNDER TIME-VARYING RISK PREMIUMS AND HETEROSCEDASTIC PRICES Inguruwatte Premachandra	
10.10-10:25	Coffee Break				
10:25-10:50	O-SS8 MICROBIOLOGICAL EVALUATION OF COMBINED HYDROGEN PEROXIDE AND HEAT TREATMENT ON ANTIBIOTIC WASTEWATER Jirawan Supabroob	O-SS17 PREDICTION OF SETTING TIME AND EARLY COMPRESSIVE STRENGTH OF CEMENT MORTARS BY ELECTRICAL CONDUCTIVITY MEASUREMENT Rithy Lo	O-ITSE9 GAS LEAK DETECTOR SYSTEM FOR INDUSTRIAL USE Siravit Chabphet	O-IFM11 IS STOCK MARKET SENSITIVE TO DAY-TO-DAY MONETARY OPERATIONS? EVIDENCE FROM AN EMERGING ECONOMY Radeef Chundakkadan	Poster Session

<p>10:50-11:15</p>	<p>O-SS9</p> <p>ANTIOXIDANT ACTIVITIES OF TRANSGENIC FLOWER OVER-EXPRESSING FLS AND TT8 INVOLVING IN FLAVONOID BIOSYNTHESIS</p> <p>Darin Dangrit</p>	<p>O-SS18</p> <p>OPTICAL AND LUMINESCENCE INVESTIGATION OF DY3+ DOPED IN ALKALI EARTH BARIUM PHOSPHATE GLASSES</p> <p>Natthakridta Chanthima</p>	<p>O-ITSE10</p> <p>LOW-COST AND COMPACT DIGITAL LARYNGOSCOPE</p> <p>Puttharapong Pornputtarat</p>	<p>O-IFM12</p> <p>HOW DOES MICROFINANCE PROSPER? AN ANALYSIS OF ESG CONTEXT</p> <p>Tauhidul Islam Tanin</p>
<p>11:15-11:40</p>	<p>O-SS10</p> <p>ELECTROSTRICTION OF DIELECTRIC ELASTOMER BASED ON NATURAL RUBBER/GRAPHENE COMPOSITES FOR ACTUATOR APPLICATIONS</p> <p>Darika Jaah</p>	<p>O-SS19</p> <p>ALGORITHM FOR MEASURING PERSISTENCE LENGTHS OF BIOLOGICAL STRUCTURES: A CASE STUDY OF CYANOBACTERIAL FILAMENTS</p> <p>Atitheb Chaiyasitdhi</p>	<p>O-ITSE11</p> <p>MANUFACTURING OF POLYMERS LENS USING 3D-PRINTED LENS MODEL</p> <p>Weeratouch Pongruengkiat</p>	<p>O-IFM13</p> <p>IMPACT OF COMPETITION AND DIVERSIFICATION ON RISK AND RETURN: EVIDENCE FROM THE DUAL BANKING ECONOMIES</p> <p>Syed Aun Raza Rizvi</p>
<p>11:40-12.05</p>	<p>O-SS11</p> <p>CONDUCTORS IN QUARTIC NUMBER FIELDS WITH UNRAMIFIED PRIME</p> <p>Chanwit Prabpayak</p>	<p>O-SS20</p> <p>INVESTIGATIONS ON LUMINESCENCE PROPERTIES OF Ce³⁺ ION DOPED BISMUTH BOROPHOSPHATE GLASSES</p> <p>Natthakriata Chanthima</p>	<p>O-ITSE12</p> <p>MOBILE PHONE MICROSCOPE USING ASPHERIC LENS FORMED BY GRATIVITY AND SURFACE TENSION</p> <p>Phitsini Suvarnaphaet</p>	<p>O-IFM14</p> <p>OIL PALM POLICY, LAND USE CHANGE AND COMMUNITY LIVELIHOODS (OLCL) IN INDONESIA: ECONOMETRICS OF PRODUCTION AND DOMESTIC MARKET</p> <p>Dennis Onuigbo</p>

12:05-13:00	Lunch Break				
13:00-13:25	<p style="text-align: center;">O-SS12</p> <p style="text-align: center;">SEESAW BALANCING: A HANDS-ON MODEL TO UNDERSTAND MOMENT OF FORCE IN CLASSROOM</p> <p style="text-align: center;">Pongpatai Kitrungleadjanaporn</p>	<p style="text-align: center;">O-ITSE4</p> <p style="text-align: center;">TEACHING ELECTRIC CIRCUIT LABORATORY WITH ARDUINO-BASED ACTIVITY</p> <p style="text-align: center;">Preecha Sakarung</p>	<p style="text-align: center;">O-ITSE13</p> <p style="text-align: center;">STRATEGIC GREENHOUSE GAS REDUCTION POLICY PLANNING COMPARING BIO-MASS AND CLEAN COAL POWER PLANT USING CARBON FOOTPRINT FOR ORGANIZATION (CFO) METHODOLOGY</p> <p style="text-align: center;">Natworapol Rachsiriwatcharabul</p>	<p style="text-align: center;">O-IFM15</p> <p style="text-align: center;">MODELLING MARKET INTEGRATION IN MIDDLE EAST AND AFRICA THROUGH THE LAW OF ONE PRICE</p> <p style="text-align: center;">Vinh Dang</p>	Poster Session
13:25-13:50	<p style="text-align: center;">O-SS13</p> <p style="text-align: center;">IMMOBILIZATION OF PEROXIDASE FROM CAULIFLOWER STEM ON ULTRAFILTRATION MEMBRANE FOR PHENOL REMOVAL</p> <p style="text-align: center;">Karnika Ratanapongleka</p>	<p style="text-align: center;">O-ITSE5</p> <p style="text-align: center;">AN ANALYSIS OF TRANSFORMERS MINERAL OIL BY USING DISSOLVED GAS ANALYSIS METHOD</p> <p style="text-align: center;">Sakhon Woothipatanapan</p>	<p style="text-align: center;">O-ITSE14</p> <p style="text-align: center;">THERMAL DECOMPOSITION STUDY OF OIL-CONTAMINATED RECYCLED POLYESTER FIBERS FOR PYROLYSIS PROCESS : A CASE STUDY OF PET RECYCLED TEXTILE FACTORY</p> <p style="text-align: center;">Natworapol Rachsiriwatcharabul</p>	<p style="text-align: center;">O-IFM16</p> <p style="text-align: center;">MODELING RESILIENCE TO NATURAL DISASTERS IN SMALL DEVELOPING STATES</p> <p style="text-align: center;">Klyuev Vladimir</p>	Poster Session

<p>13:50-14:15</p>	<p>O-SS14</p> <p>WATER FOOTPRINTING COMPARING ISO STANDARD AND WATER FOOTPRINT NETWORK FRAMEWORK : A CASE STUDY OF FACULTY OF ENGINEERING, RMUTP</p> <p>Prapaphorn Ployod</p>	<p>O-ITSE6</p> <p>COMPACT FLUORESCENT MICROSCOPE FOR SMARTPHONE AND TABLET</p> <p>Pakapron Pimonsakonwong</p>	<p>O-ITSE15</p> <p>SHIELDING EFFECT AND GUARDING IN HIGH RESISTANCE MEASUREMENT</p> <p>Nattapong Phanthuna</p>	<p>O-IFM17</p> <p>CAPITAL- ENHANCED EQUILIBRIUM EXCHANGE RATE IN THE PRESENCE OF STRUCTURAL BREAKS: EVIDENCE FROM EMES AND ADVANCED ECONOMIES</p> <p>Prabheesh K.P</p>	
<p>14:15-14:40</p>	<p>O-SS15</p> <p>ALL-IN-ONE FLOW- INJECTION SPECTROPHOTOMETRIC SYSTEM FOR FIELD TESTING</p> <p>Sirirat Panich</p>	<p>O-ITSE7</p> <p>DEVELOPMENT OF LOW- COST ABBE REFRACTOMETER</p> <p>Thitika Jungpanich</p>		<p>O-IFM18</p> <p>CAN TECHNOLOGY CONTESTS CREATE QUALITY TRAPS?</p> <p>Hong Chen</p>	
<p>14:40-15:30</p>	<p>Poster Session</p>			<p>O-IFM19</p> <p>GOVERNMENT SPENDING NEWS AND THE TREASURY YIELD CURVE IN THE UNITED STATES</p> <p>Dingming Liu</p>	

15:30-15:45	Coffee Break
Time/Place	INFINITY Room 1st Floor
15:45-16:30	Poster Session
16:30-17:00	Awards, Closing Celebration and Welcome to ICONSci 2018